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REPORT

CD NO.

DATE OF INFORMATION 1949

DATE DIST. 17 Apr 1950

NO. OF PAGES 2

SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION

SOURCE Newspapers as indicated.

HIGH OUTPUT, TECHNICAL ADVANCES MARK LENINGRAD TURBINE INDUSTRY

TURBINE, DIESEL PRODUCTION SOARS -- Leningradskaya Pravda, No 25, 29 Jan 50

The 1949 output of steam turbines by enterprises of the Ministry of Heavy-Machine Building in the Leningrad area was 230 percent of the 1948 output. Diesel engines put out by Leningrad enterprises of the same Ministry amounted to 330 percent of the 1948 output.

COPY NEW TECHNIQUES -- Leningradskaya Pravda, No 274, 22 Nov 49

Gas pressure casting, adopted at the Plant imeni Stalin after the example of another Leningrad Plant, saved 400,000 rubles during the first 3 months it was applied, and has to date saved hundreds of tons of cast material. The method, however, is suitable only for casting small parts.

New techniques have been studied by representatives visiting various plants. It was found that at the Kirov Plant, the milling of turbine blades with the aid of masters, which are expensive and complex devices, has been eliminated. As a result of learning this method, the Plant imeni Lenin has saved 55,000 rubles.

Another innovation has been introduced to improve high-speed cutting operations. A cutter with double-front angles is replacing the negative-rake cutter, proving more durable and able to cut with considerably less power.

Turbine-blade surfaces are ordinarily ground. The plant has replaced grinding, however, with a special high-speed surface miller. Labor consumption has decreased 60 percent. As a result of building an eight-cutter milling head, it has been found possible to apply high-speed milling of surfaces to large parts, not only of steel, but of cast iron as well.

MAKES NEW TURBINE -- Leningradskaya Pravda, No 291, 11 Dec 49

The Leningrad Metal Plant recently turned out a hydroturbine with rotatable blades, one of several of this type produced during the last few years.

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HUGE TURBINE GOES SOUTH -- Leningradskaya Pravda, No 299, 21 Dec 49

The Leningrad Nevskiy Machine Building Plant imeni Lenin has shipped a new turbine south by rail, with the disassembled parts occupying 12 flat cars. The plant is now building an exhaust ventilator, and plans to begin construction at the first of the year on a new-design air blower.

URNS OUT HEAVY CYLINDER -- Sovetskaya Moldaviya, No 260, 31 Dec 49

The Novo-Kramatorsk Machine Building Plant imeni Stalin is finishing a cylinder for a hydrogenerator. It was made from a 230-ton ingot which was heated in four open-hearth furnaces.

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